03c0/0590 #9

OIPE

```
RAW SEQUENCE LISTING                    DATE: 06/03/2002
PATENT APPLICATION:  US/09/964,201A       TIME: 13:54:32

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   3 <110> APPLICANT: Kenten, John H
   4        Tramontano, Alfonso
   5        Pilon, Aprile L
   6        Lohnas, Gerald L
   7        Roberts, Steven F
   9 <120> TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
  11 <130> FILE REFERENCE: U.S. Patent Application No. 09\026,276
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/964,201A
C--> 14 <141> CURRENT FILING DATE: 2002-05-21
  16 <160> NUMBER OF SEQ ID NOS: 35
  18 <170> SOFTWARE: PatentIn Ver. 2.0
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  22 <212> TYPE: PRT
  23 <213> ORGANISM: Artificial Sequence
  25 <220> FEATURE:
  26 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning oligo
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  32  Gly Arg Ala Phe Tyr Thr Thr Gly Glu Ile Ile Gly Asp Ile Arg Gln
  33              20                  25                  30
  35  Ala His Cys
  36          35
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  44 <220> FEATURE:
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  49   1               5                  10                  15
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  55 <213> ORGANISM: Artificial Sequence
  57 <220> FEATURE:
  58 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning oligo
  60 <400> SEQUENCE: 3
  61  Cys Lys Ser Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Gly
  62   1               5                  10                  15
  64  Cys
```

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PATENT APPLICATION: US/09/964,201A   TIME: 13:54:32

Input Set : **A:\Ign2005.app**
Output Set: **N:\CRF3\06032002\I964201A.raw**

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 84 <220> FEATURE:
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 96 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning oligo
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PATENT APPLICATION: **US/09/964,201A** TIME: 13:54:32

Input Set : **A:\Ign2005.app**
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151 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning oligo
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159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning oligo
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Input Set : **A:\Ign2005.app**
Output Set: **N:\CRF3\06032002\I964201A.raw**

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212 <212> TYPE: PRT
213 <213> ORGANISM: Mycobacterium tuberculosis
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216  Asp Gln Val His Phe Gln Pro Leu Pro Pro Ala Val Val Lys Leu Ser
217    1               5                 10                  15
219  Asp Ala Leu
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224 <211> LENGTH: 22
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
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229  Lys Glu Asp Val Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe
230    1               5                 10                  15
232  Met Leu Cys Ile Pro Pro
233                 20
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237 <211> LENGTH: 22
238 <212> TYPE: PRT
239 <213> ORGANISM: Homo sapiens
241 <400> SEQUENCE: 19
242  Lys Glu Asp Val Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe
243    1               5                 10                  15
245  Met Leu Cys Met Pro Pro
246                 20
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250 <211> LENGTH: 20
251 <212> TYPE: PRT
252 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 20
255  Lys Glu Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe Met Leu
256    1               5                 10                  15
258  Cys Ile Pro Pro
259                 20
262 <210> SEQ ID NO: 21
263 <211> LENGTH: 17
264 <212> TYPE: PRT
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 21
268  Lys Glu Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe Met Pro
269    1               5                 10                  15
271  Pro
275 <210> SEQ ID NO: 22
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276 <211> LENGTH: 31
277 <212> TYPE: PRT
278 <213> ORGANISM: Homo sapiens
280 <400> SEQUENCE: 22
281  Arg Gly Gly Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp
282    1               5                   10                  15
284  Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
285               20                  25                  30
288 <210> SEQ ID NO: 23
289 <211> LENGTH: 11
290 <212> TYPE: PRT
291 <213> ORGANISM: Homo sapiens
293 <400> SEQUENCE: 23
294  Arg Gly Gly Asp Tyr Lys Asp Asp Asp Asp Lys
295    1               5                   10
298 <210> SEQ ID NO: 24
299 <211> LENGTH: 23
300 <212> TYPE: PRT
301 <213> ORGANISM: Homo sapiens
303 <400> SEQUENCE: 24
304  Arg Gly Ala Leu Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile Lys
305    1               5                   10                  15
307  Asp Thr Ile Val Ala Asn Pro
308               20
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317 <212> TYPE: PRT
318 <213> ORGANISM: Porcine
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321  Gln His Trp Ser Tyr Gly Leu Arg Pro Gly Gln His Trp Ser Tyr Gly
322    1               5                   10                  15
324  Leu Arg Pro Gly
325               20
328 <210> SEQ ID NO: 27
329 <211> LENGTH: 21
330 <212> TYPE: PRT
331 <213> ORGANISM: corona virus
333 <400> SEQUENCE: 27
334  Asp Asp Pro Lys Thr Gly Gln Phe Leu Gln Gln Ile Asn Ala Tyr Ala
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337  Arg Pro Ser Glu Val
338               20
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342 <211> LENGTH: 10
343 <212> TYPE: PRT
344 <213> ORGANISM: Porcine
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/03/2002
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Input Set : **A:\Ign2005.app**
Output Set: **N:\CRF3\06032002\I964201A.raw**

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VERIFICATION SUMMARY   DATE: 06/03/2002
PATENT APPLICATION: **US/09/964,201A**   TIME: 13:54:33

Input Set : **A:\Ign2005.app**
Output Set: **N:\CRF3\06032002\I964201A.raw**

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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